



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

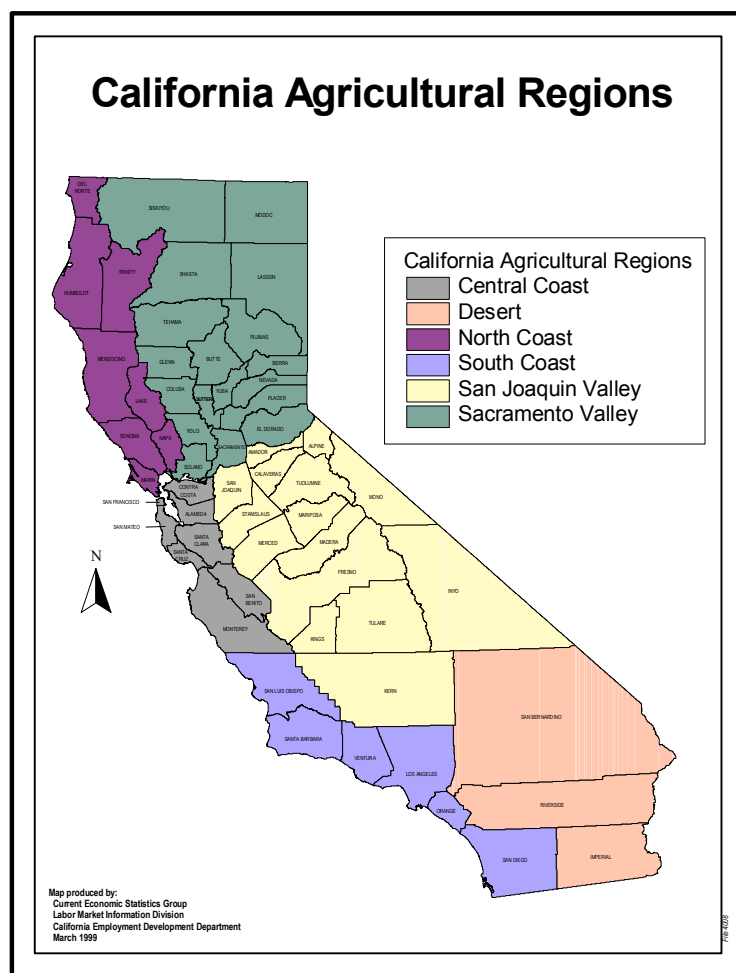
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(Internet Version)

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### Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from 5 to 17 within each of the 6 geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

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## Summary

### Employment

Total Agricultural Crop and Service Production from December 2002 to January 2003 dropped by 17,800, driven by the decrease of 14,600 jobs in Agricultural Services, the largest drop since 1992. The prime mover in Agricultural Service was Farm Labor Contractors, which declined by 8,900 jobs. Increases of 4,600 were seen in Grape Crops, the largest increase since 1996. Grape growers cultivated, made herbicide applications, added soil amendments, and grafted new fruit stock. Vineyard removal also continued in the San Joaquin Valley. In the breakdown of the regions, Central Coast dropped by 20 percent or 7,900 jobs. However, Sacramento Valley jumped 30 percent or 5,000 jobs, showing the first ever increase during the month of January. This increase was due to acceleration in the removal of orchard trees and burning of the surrounding brush. At the same time new tree plantings took place along with pruning and grafting in older orchards.

Total Agricultural Wages showed an increase of one cent from December 2002 to January 2003. This was the smallest increase since 1995. The largest gain was of six cents in Total Agricultural Production. While the trend since 1995 has been an increase in wages during the month of January, the increase has slowed substantially since 2001. Total Agricultural Services gained only one cent from December 2002 to January 2003. This is the smallest gain in wages since 1995.

### Production and Crop Activity

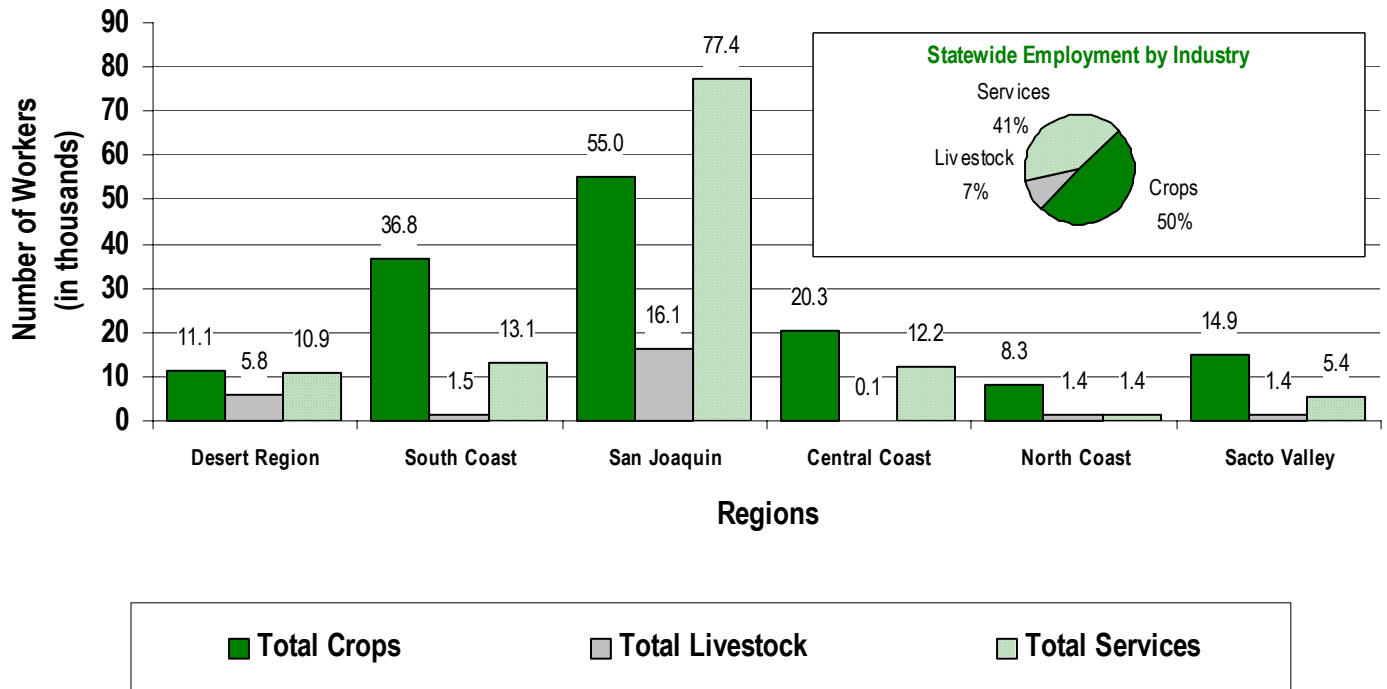
Ground preparation, pre-irrigation and herbicide applications continued for spring planting of grain and silage crops. Corn planting took place in several locations. Sweet potato hotbed fumigations continued. Potatoes were harvested in the San Joaquin Valley. Harvested broccoli and cauliflower fields were shredded and disced for replanting. Fields were prepared for planting of tomatoes, cucumbers, and other warm-season vegetables. Bed preparation for melons, carrots, and peppers continued in the San Joaquin Valley. The following vegetables were harvested during the month of January: broccoli, cauliflower, bok choy, carrots, Napa cabbage, cilantro, daikon, garlic, mustard greens, kale, leaf lettuce, Romaine lettuce, green onions, parsley, radishes, radicchio, spinach, and turnips.

In orchards, trees were pruned and grafted. Herbicides applications for weed control and dormant spraying to control scale and pests continued. Vineyard and orchard removal took place in the Sacramento and San Joaquin Valley regions.

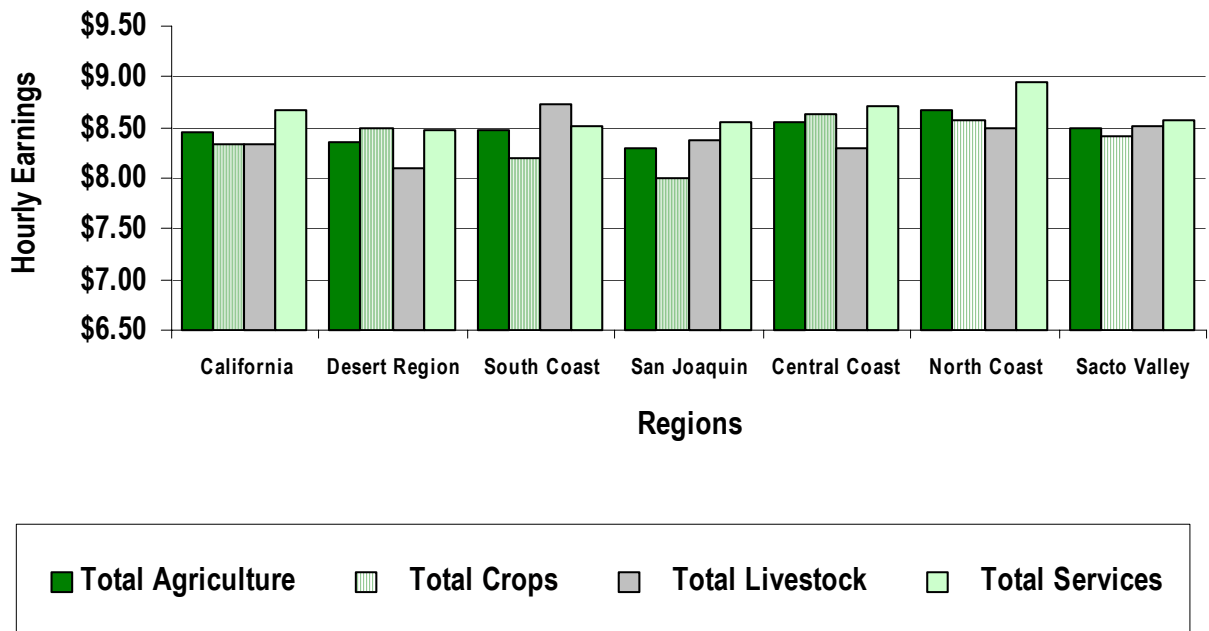
Supplemental feeding of cattle continued in some areas. Movement of stocker cattle to foothill pastures was mostly complete. Sheep were grazing in alfalfa fields and pastures in the central area. At the same time, lambs were grazed in alfalfa fields in the Imperial Valley. In the Central Valley, beehives were placed in a few nut and stone fruit orchards and hives were being prepared for almond pollination.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan<br>2003  | Dec<br>2002  | Jan<br>2002  |
|--|--------------|--------------|--------------|
| <b>Total Agriculture</b>                   | <b>293.1</b> | <b>310.9</b> | <b>297.1</b> |
| <b>Total Agricultural Production/Crops</b> | <b>146.4</b> | <b>149.5</b> | <b>149.0</b> |
| Cash Grains                                | 1.6          | 1.0          | 1.5          |
| Rice                                       | 1.2          | 0.4          | 0.9          |
| Other Cash Grains                          | 0.4          | 0.6          | 0.6          |
| Field Crops Except Grains                  | 6.7          | 7.5          | 7.0          |
| Cotton                                     | 3.4          | 3.9          | 3.3          |
| Other Field Crops                          | 3.3          | 3.6          | 3.7          |
| Vegetables and Melons                      | 19.2         | 25.4         | 22.1         |
| Total Fruits and Tree Nuts                 | 64.3         | 63.2         | 64.5         |
| Berries                                    | 8.6          | 8.1          | 8.6          |
| Grapes                                     | 33.2         | 28.6         | 32.9         |
| Tree Nuts                                  | 7.2          | 7.5          | 6.9          |
| Citrus Fruits                              | 2.5          | 3.7          | 3.4          |
| Deciduous Tree Fruit                       | 6.8          | 9.2          | 6.4          |
| Other Fruits & Nuts                        | 6.0          | 6.1          | 6.3          |
| Total Horticultural Specialties            | 36.9         | 35.1         | 36.2         |
| Ornamental Floral & Nursery                | 33.8         | 32.0         | 32.6         |
| Food Crops Grown Under Cover               | 3.1          | 3.1          | 3.6          |
| General Farm Primarily Crop                | 17.7         | 17.3         | 17.7         |
| <b>Agricultural Production/Livestock</b>   | <b>26.3</b>  | <b>26.4</b>  | <b>29.0</b>  |
| Beef Cattle Feed Lots                      | 0.7          | 0.7          | 0.9          |
| Beef Cattle Except Feed Lots               | 2.9          | 2.7          | 3.5          |
| Dairy Farms                                | 16.0         | 16.4         | 16.9         |
| Chicken Eggs                               | 2.3          | 1.7          | 2.3          |
| Turkey & Turkey Eggs                       | 0.7          | 0.7          | 0.9          |
| Other Livestock                            | 3.7          | 4.2          | 4.5          |
| <b>Total Agricultural Services</b>         | <b>120.4</b> | <b>135.0</b> | <b>119.1</b> |
| Soil Preparation Services                  | 1.2          | 1.5          | 1.1          |
| Crop Services                              | 32.9         | 38.7         | 32.0         |
| Plant Cultivate & Protection               | 4.5          | 4.6          | 4.2          |
| Harvest Primarily by Machine               | 2.7          | 3.1          | 2.8          |
| Preparation Services for Market            | 24.7         | 29.7         | 23.8         |
| Cotton Ginning                             | 1.0          | 1.3          | 1.2          |
| Total Farm Labor & Management              | 86.3         | 94.8         | 86.0         |
| Farm Labor Contractors                     | 78.0         | 86.9         | 76.7         |
| Farm Management Services                   | 8.3          | 7.9          | 9.3          |

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.45</b> | <b>8.44</b> | <b>8.33</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.34</b> | <b>8.28</b> | <b>8.28</b> |
| Cash Grains                                | 8.37        | 8.18        | 8.45        |
| Rice                                       | 8.72        | 8.58        | 8.63        |
| Other Cash Grains                          | 8.02        | 7.77        | 8.26        |
| Field Crops Except Grains                  | 8.17        | 8.22        | 8.38        |
| Cotton                                     | 8.16        | 8.29        | 8.36        |
| Other Field Crops                          | 8.18        | 8.15        | 8.40        |
| Vegetables and Melons                      | 8.45        | 8.26        | 8.31        |
| Total Fruits and Tree Nuts                 | 8.36        | 8.37        | 8.12        |
| Berries                                    | 8.10        | 8.05        | 7.95        |
| Grapes                                     | 8.45        | 8.60        | 7.99        |
| Tree Nuts                                  | 8.46        | 8.53        | 8.00        |
| Citrus Fruits                              | 8.38        | 8.39        | 8.37        |
| Deciduous Tree Fruit                       | 8.34        | 8.25        | 7.95        |
| Other Fruits & Nuts                        | 8.44        | 8.38        | 8.46        |
| Total Horticultural Specialties            | 8.40        | 8.39        | 8.29        |
| Ornamental Floral & Nursery                | 8.54        | 8.56        | 8.41        |
| Food Crops Grown Under Cover               | 8.26        | 8.23        | 8.17        |
| General Farm Primarily Crop                | 8.30        | 8.29        | 8.14        |
| <b>Agricultural Production/Livestock</b>   | <b>8.33</b> | <b>8.34</b> | <b>8.16</b> |
| Beef Cattle Feed Lots                      | 8.08        | 8.02        | 8.37        |
| Beef Cattle Except Feed Lots               | 8.59        | 8.61        | 8.33        |
| Dairy Farms                                | 8.70        | 8.70        | 8.53        |
| Chicken Eggs                               | 7.92        | 8.02        | 7.67        |
| Turkey & Turkey Eggs                       | 8.24        | 8.23        | 7.86        |
| Other Livestock                            | 8.48        | 8.48        | 8.23        |
| <b>Total Agricultural Services</b>         | <b>8.67</b> | <b>8.68</b> | <b>8.56</b> |
| Soil Preparation Services                  | 8.67        | 8.67        | 8.66        |
| Crop Services                              | 8.91        | 8.92        | 8.67        |
| Plant Cultivate & Protection               | 8.69        | 8.71        | 8.55        |
| Harvest Primarily by Machine               | 8.81        | 8.80        | 8.78        |
| Preparation Services for Market            | 8.32        | 8.33        | 8.19        |
| Cotton Ginning                             | 9.81        | 9.84        | 9.16        |
| Total Farm Labor & Management              | 8.44        | 8.46        | 8.35        |
| Farm Labor Contractors                     | 8.23        | 8.26        | 8.15        |
| Farm Management Services                   | 8.64        | 8.65        | 8.55        |

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>32.6</b> | <b>40.5</b> | <b>38.0</b> |
| <b>Total Agricultural Production/Crops</b> | <b>20.3</b> | <b>24.5</b> | <b>23.3</b> |
| Cash Grains                                | 0.0         | 0.0         | 0.0         |
| Rice                                       | 0.0         | 0.0         | 0.0         |
| Other Cash Grains                          | 0.0         | 0.0         | 0.0         |
| Field Crops Except Grains                  | 0.0         | 0.0         | 0.2         |
| Cotton                                     | 0.0         | 0.0         | 0.0         |
| Other Field Crops                          | 0.0         | 0.0         | 0.2         |
| Vegetables and Melons                      | 7.2         | 8.7         | 9.2         |
| Total Fruits and Tree Nuts                 | 3.2         | 4.7         | 4.1         |
| Berries                                    | 1.5         | 3.4         | 2.0         |
| Grapes                                     | 1.5         | 0.8         | 1.2         |
| Tree Nuts                                  | 0.0         | 0.0         | 0.1         |
| Citrus Fruits                              | 0.0         | 0.0         | 0.0         |
| Deciduous Tree Fruit                       | 0.2         | 0.5         | 0.4         |
| Other Fruits & Nuts                        | 0.0         | 0.0         | 0.4         |
| Total Horticultural Specialties            | 8.7         | 9.1         | 8.5         |
| Ornamental Floral & Nursery                | 6.6         | 7.0         | 6.4         |
| Food Crops Grown Under Cover               | 2.1         | 2.1         | 2.1         |
| General Farm Primarily Crop                | 1.2         | 2.0         | 1.3         |
| <b>Agricultural Production/Livestock</b>   | <b>0.1</b>  | <b>0.0</b>  | <b>1.0</b>  |
| Beef Cattle Feed Lots                      | 0.0         | 0.0         | 0.0         |
| Beef Cattle Except Feed Lots               | 0.0         | 0.0         | 0.3         |
| Dairy Farms                                | 0.0         | 0.0         | 0.1         |
| Chicken Eggs                               | 0.1         | 0.0         | 0.1         |
| Turkey & Turkey Eggs                       | 0.0         | 0.0         | 0.1         |
| Other Livestock                            | 0.0         | 0.0         | 0.4         |
| <b>Total Agricultural Services</b>         | <b>12.2</b> | <b>16.0</b> | <b>13.7</b> |
| Soil Preparation Services                  | 0.2         | 0.3         | 0.3         |
| Crop Services                              | 4.6         | 8.1         | 5.0         |
| Plant Cultivate & Protection               | 0.0         | 0.0         | 0.5         |
| Harvest Primarily by Machine               | 0.7         | 1.1         | 0.5         |
| Preparation Services for Market            | 3.9         | 7.0         | 4.0         |
| Cotton Ginning                             | 0.0         | 0.0         | 0.0         |
| Total Farm Labor & Management              | 7.4         | 7.6         | 8.4         |
| Farm Labor Contractors                     | 6.2         | 6.7         | 7.2         |
| Farm Management Services                   | 1.2         | 0.9         | 1.2         |

na = not available

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.54</b> | <b>8.67</b> | <b>8.34</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.62</b> | <b>8.63</b> | <b>8.31</b> |
| Cash Grains                                | na          | na          | na          |
| Rice                                       | na          | na          | na          |
| Other Cash Grains                          | na          | na          | na          |
| Field Crops Except Grains                  | na          | na          | 8.40        |
| Cotton                                     | na          | na          | na          |
| Other Field Crops                          | na          | na          | 8.40        |
| Vegetables and Melons                      | 9.08        | 9.14        | 8.70        |
| Total Fruits and Tree Nuts                 | 8.51        | 8.56        | 7.88        |
| Berries                                    | 8.71        | 8.16        | 8.36        |
| Grapes                                     | 8.68        | 9.39        | 6.20        |
| Tree Nuts                                  | na          | na          | 8.04        |
| Citrus Fruits                              | na          | na          | na          |
| Deciduous Tree Fruit                       | 8.13        | 8.13        | 8.12        |
| Other Fruits & Nuts                        | na          | na          | 8.70        |
| Total Horticultural Specialties            | 8.54        | 8.55        | 8.51        |
| Ornamental Floral & Nursery                | 8.55        | 8.57        | 8.69        |
| Food Crops Grown Under Cover               | 8.53        | 8.53        | 8.32        |
| General Farm Primarily Crop                | 8.37        | 8.27        | 8.08        |
| <b>Agricultural Production/Livestock</b>   | <b>8.29</b> | <b>na</b>   | <b>8.00</b> |
| Beef Cattle Feed Lots                      | na          | na          | na          |
| Beef Cattle Except Feed Lots               | na          | na          | 8.33        |
| Dairy Farms                                | na          | na          | 8.61        |
| Chicken Eggs                               | 8.29        | na          | 7.66        |
| Turkey & Turkey Eggs                       | na          | na          | 7.86        |
| Other Livestock                            | na          | na          | 7.56        |
| <b>Total Agricultural Services</b>         | <b>8.72</b> | <b>8.71</b> | <b>8.70</b> |
| Soil Preparation Services                  | 8.81        | 8.76        | 8.89        |
| Crop Services                              | 8.81        | 8.82        | 8.64        |
| Plant Cultivate & Protection               | na          | na          | 8.55        |
| Harvest Primarily by Machine               | 9.16        | 9.16        | 8.99        |
| Preparation Services for Market            | 8.46        | 8.47        | 8.38        |
| Cotton Ginning                             | na          | na          | na          |
| Total Farm Labor & Management              | 8.54        | 8.54        | 8.58        |
| Farm Labor Contractors                     | 8.30        | 8.31        | 8.39        |
| Farm Management Services                   | 8.78        | 8.77        | 8.77        |

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>27.8</b> | <b>27.8</b> | <b>33.0</b> |
| <b>Total Agricultural Production/Crops</b> | <b>11.1</b> | <b>11.1</b> | <b>13.0</b> |
| Cash Grains                                | 0.0         | 0.0         | 0.1         |
| Rice                                       | 0.0         | 0.0         | 0.0         |
| Other Cash Grains                          | 0.0         | 0.0         | 0.1         |
| Field Crops Except Grains                  | 1.5         | 1.5         | 1.0         |
| Cotton                                     | 0.0         | 0.0         | 0.0         |
| Other Field Crops                          | 1.5         | 1.5         | 1.0         |
| Vegetables and Melons                      | 2.9         | 2.9         | 3.2         |
| Total Fruits and Tree Nuts                 | 3.3         | 3.3         | 4.0         |
| Berries                                    | 0.0         | 0.0         | 0.1         |
| Grapes                                     | 2.2         | 2.2         | 2.2         |
| Tree Nuts                                  | 0.0         | 0.0         | 0.1         |
| Citrus Fruits                              | 0.0         | 0.0         | 0.8         |
| Deciduous Tree Fruit                       | 0.0         | 0.0         | 0.1         |
| Other Fruits & Nuts                        | 1.1         | 1.1         | 0.7         |
| Total Horticultural Specialties            | 1.5         | 1.5         | 1.6         |
| Ornamental Floral & Nursery                | 1.5         | 1.5         | 1.5         |
| Food Crops Grown Under Cover               | 0.0         | 0.0         | 0.1         |
| General Farm Primarily Crop                | 1.9         | 1.9         | 3.1         |
| <b>Agricultural Production/Livestock</b>   | <b>5.8</b>  | <b>5.8</b>  | <b>5.7</b>  |
| Beef Cattle Feed Lots                      | 0.3         | 0.3         | 0.2         |
| Beef Cattle Except Feed Lots               | 0.6         | 0.6         | 0.6         |
| Dairy Farms                                | 3.1         | 3.1         | 3.1         |
| Chicken Eggs                               | 1.2         | 1.2         | 1.2         |
| Turkey & Turkey Eggs                       | 0.0         | 0.0         | 0.0         |
| Other Livestock                            | 0.6         | 0.6         | 0.6         |
| <b>Total Agricultural Services</b>         | <b>10.9</b> | <b>10.9</b> | <b>14.3</b> |
| Soil Preparation Services                  | 0.1         | 0.1         | 0.1         |
| Crop Services                              | 3.1         | 3.1         | 4.0         |
| Plant Cultivate & Protection               | 0.3         | 0.3         | 0.3         |
| Harvest Primarily by Machine               | 0.6         | 0.6         | 0.8         |
| Preparation Services for Market            | 2.2         | 2.2         | 2.6         |
| Cotton Ginning                             | 0.0         | 0.0         | 0.3         |
| Total Farm Labor & Management              | 7.7         | 7.7         | 10.2        |
| Farm Labor Contractors                     | 7.2         | 7.2         | 9.2         |
| Farm Management Services                   | 0.5         | 0.5         | 1.0         |

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.35</b> | <b>8.35</b> | <b>8.23</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.49</b> | <b>8.49</b> | <b>8.20</b> |
| Cash Grains                                | na          | na          | 8.26        |
| Rice                                       | na          | na          | na          |
| Other Cash Grains                          | na          | na          | 8.26        |
| Field Crops Except Grains                  | 8.86        | 8.86        | 8.60        |
| Cotton                                     | na          | na          | na          |
| Other Field Crops                          | 8.86        | 8.86        | 8.60        |
| Vegetables and Melons                      | 8.32        | 8.32        | 8.04        |
| Total Fruits and Tree Nuts                 | 8.60        | 8.64        | 8.14        |
| Berries                                    | na          | na          | 8.10        |
| Grapes                                     | 8.63        | 8.69        | 8.26        |
| Tree Nuts                                  | na          | na          | 7.86        |
| Citrus Fruits                              | na          | na          | 8.34        |
| Deciduous Tree Fruit                       | na          | na          | 7.79        |
| Other Fruits & Nuts                        | 8.56        | 8.58        | 8.49        |
| Total Horticultural Specialties            | 8.38        | 8.38        | 7.79        |
| Ornamental Floral & Nursery                | 8.38        | 8.38        | 7.80        |
| Food Crops Grown Under Cover               | na          | na          | 7.77        |
| General Farm Primarily Crop                | 8.27        | 8.27        | 8.36        |
| <b>Agricultural Production/Livestock</b>   | <b>8.09</b> | <b>8.08</b> | <b>8.06</b> |
| Beef Cattle Feed Lots                      | 7.93        | 7.85        | 8.34        |
| Beef Cattle Except Feed Lots               | 8.30        | 8.30        | 8.25        |
| Dairy Farms                                | 8.48        | 8.48        | 8.61        |
| Chicken Eggs                               | 7.61        | 7.61        | 7.37        |
| Turkey & Turkey Eggs                       | na          | na          | na          |
| Other Livestock                            | 8.14        | 8.14        | 7.73        |
| <b>Total Agricultural Services</b>         | <b>8.47</b> | <b>8.47</b> | <b>8.44</b> |
| Soil Preparation Services                  | 8.57        | 8.57        | 8.58        |
| Crop Services                              | 8.53        | 8.53        | 8.50        |
| Plant Cultivate & Protection               | 8.52        | 8.52        | 8.37        |
| Harvest Primarily by Machine               | 8.98        | 8.98        | 8.93        |
| Preparation Services for Market            | 8.09        | 8.09        | 8.10        |
| Cotton Ginning                             | na          | na          | 8.61        |
| Total Farm Labor & Management              | 8.30        | 8.30        | 8.24        |
| Farm Labor Contractors                     | 8.15        | 8.15        | 8.12        |
| Farm Management Services                   | 8.45        | 8.45        | 8.36        |

na = not available

# NORTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>11.1</b> | <b>10.7</b> | <b>12.7</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.3</b>  | <b>7.8</b>  | <b>9.0</b>  |
| Cash Grains                                | 0.0         | 0.0         | 0.0         |
| Rice                                       | 0.0         | 0.0         | 0.0         |
| Other Cash Grains                          | 0.0         | 0.0         | 0.0         |
| Field Crops Except Grains                  | 0.0         | 0.0         | 0.1         |
| Cotton                                     | 0.0         | 0.0         | 0.0         |
| Other Field Crops                          | 0.0         | 0.0         | 0.1         |
| Vegetables and Melons                      | 0.0         | 0.0         | 0.1         |
| Total Fruits and Tree Nuts                 | 6.8         | 6.4         | 7.2         |
| Berries                                    | 0.0         | 0.0         | 0.0         |
| Grapes                                     | 6.0         | 5.7         | 6.5         |
| Tree Nuts                                  | 0.1         | 0.0         | 0.0         |
| Citrus Fruits                              | 0.0         | 0.0         | 0.0         |
| Deciduous Tree Fruit                       | 0.7         | 0.7         | 0.6         |
| Other Fruits & Nuts                        | 0.0         | 0.0         | 0.1         |
| Total Horticultural Specialties            | 1.4         | 1.4         | 1.4         |
| Ornamental Floral & Nursery                | 1.4         | 1.4         | 1.2         |
| Food Crops Grown Under Cover               | 0.0         | 0.0         | 0.2         |
| General Farm Primarily Crop                | 0.1         | 0.0         | 0.2         |
| <b>Agricultural Production/Livestock</b>   | <b>1.4</b>  | <b>1.4</b>  | <b>1.7</b>  |
| Beef Cattle Feed Lots                      | 0.0         | 0.0         | 0.1         |
| Beef Cattle Except Feed Lots               | 0.2         | 0.0         | 0.2         |
| Dairy Farms                                | 0.9         | 0.9         | 0.9         |
| Chicken Eggs                               | 0.0         | 0.2         | 0.1         |
| Turkey & Turkey Eggs                       | 0.0         | 0.0         | 0.1         |
| Other Livestock                            | 0.3         | 0.3         | 0.3         |
| <b>Total Agricultural Services</b>         | <b>1.4</b>  | <b>1.5</b>  | <b>2.0</b>  |
| Soil Preparation Services                  | 0.0         | 0.2         | 0.0         |
| Crop Services                              | 0.0         | 0.0         | 0.2         |
| Plant Cultivate & Protection               | 0.0         | 0.0         | 0.1         |
| Harvest Primarily by Machine               | 0.0         | 0.0         | 0.0         |
| Preparation Services for Market            | 0.0         | 0.0         | 0.1         |
| Cotton Ginning                             | 0.0         | 0.0         | 0.0         |
| Total Farm Labor & Management              | 1.4         | 1.3         | 1.8         |
| Farm Labor Contractors                     | 0.1         | 0.2         | 0.2         |
| Farm Management Services                   | 1.3         | 1.1         | 1.6         |

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.67</b> | <b>8.76</b> | <b>8.36</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.57</b> | <b>8.76</b> | <b>8.44</b> |
| Cash Grains                                | na          | na          | na          |
| Rice                                       | na          | na          | na          |
| Other Cash Grains                          | na          | na          | na          |
| Field Crops Except Grains                  | na          | na          | 8.40        |
| Cotton                                     | na          | na          | na          |
| Other Field Crops                          | na          | na          | 8.40        |
| Vegetables and Melons                      | na          | na          | 8.60        |
| Total Fruits and Tree Nuts                 | 8.51        | 8.60        | 8.60        |
| Berries                                    | na          | na          | na          |
| Grapes                                     | 8.56        | 8.55        | 8.57        |
| Tree Nuts                                  | 8.30        | na          | na          |
| Citrus Fruits                              | na          | na          | na          |
| Deciduous Tree Fruit                       | 8.68        | 8.65        | 8.54        |
| Other Fruits & Nuts                        | na          | na          | 8.69        |
| Total Horticultural Specialties            | 8.95        | 8.91        | 8.44        |
| Ornamental Floral & Nursery                | 8.95        | 8.91        | 8.74        |
| Food Crops Grown Under Cover               | na          | na          | 8.14        |
| General Farm Primarily Crop                | 8.25        | na          | 8.17        |
| <b>Agricultural Production/Livestock</b>   | <b>8.50</b> | <b>8.57</b> | <b>8.21</b> |
| Beef Cattle Feed Lots                      | na          | na          | 8.34        |
| Beef Cattle Except Feed Lots               | 8.30        | na          | 8.33        |
| Dairy Farms                                | 8.54        | 8.55        | 8.21        |
| Chicken Eggs                               | na          | 8.52        | 7.67        |
| Turkey & Turkey Eggs                       | na          | na          | 7.86        |
| Other Livestock                            | 8.65        | 8.63        | 8.82        |
| <b>Total Agricultural Services</b>         | <b>8.95</b> | <b>8.95</b> | <b>8.43</b> |
| Soil Preparation Services                  | na          | 8.61        | na          |
| Crop Services                              | na          | na          | 8.37        |
| Plant Cultivate & Protection               | na          | na          | 8.55        |
| Harvest Primarily by Machine               | na          | na          | na          |
| Preparation Services for Market            | na          | na          | 8.19        |
| Cotton Ginning                             | na          | na          | na          |
| Total Farm Labor & Management              | 8.78        | 8.78        | 8.49        |
| Farm Labor Contractors                     | 8.63        | 8.63        | 8.15        |
| Farm Management Services                   | 8.92        | 8.93        | 8.83        |

na = not available

# SOUTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>51.4</b> | <b>51.6</b> | <b>51.0</b> |
| <b>Total Agricultural Production/Crops</b> | <b>36.8</b> | <b>36.3</b> | <b>35.9</b> |
| Cash Grains                                | 0.0         | 0.0         | 0.1         |
| Rice                                       | 0.0         | 0.0         | 0.0         |
| Other Cash Grains                          | 0.0         | 0.0         | 0.1         |
| Field Crops Except Grains                  | 0.1         | 0.2         | 0.4         |
| Cotton                                     | 0.0         | 0.0         | 0.0         |
| Other Field Crops                          | 0.1         | 0.2         | 0.4         |
| Vegetables and Melons                      | 5.4         | 7.1         | 5.6         |
| Total Fruits and Tree Nuts                 | 11.7        | 9.0         | 11.0        |
| Berries                                    | 6.9         | 4.7         | 6.1         |
| Grapes                                     | 2.0         | 1.0         | 1.8         |
| Tree Nuts                                  | 0.0         | 0.1         | 0.1         |
| Citrus Fruits                              | 1.3         | 1.6         | 1.3         |
| Deciduous Tree Fruit                       | 0.2         | 0.1         | 0.2         |
| Other Fruits & Nuts                        | 1.3         | 1.5         | 1.5         |
| Total Horticultural Specialties            | 17.0        | 16.7        | 16.3        |
| Ornamental Floral & Nursery                | 16.1        | 15.9        | 15.5        |
| Food Crops Grown Under Cover               | 0.9         | 0.8         | 0.8         |
| General Farm Primarily Crop                | 2.6         | 3.3         | 2.5         |
| <b>Agricultural Production/Livestock</b>   | <b>1.5</b>  | <b>2.0</b>  | <b>1.7</b>  |
| Beef Cattle Feed Lots                      | 0.0         | 0.0         | 0.0         |
| Beef Cattle Except Feed Lots               | 0.3         | 0.2         | 0.3         |
| Dairy Farms                                | 0.1         | 0.0         | 0.2         |
| Chicken Eggs                               | 0.4         | 0.3         | 0.3         |
| Turkey & Turkey Eggs                       | 0.0         | 0.0         | 0.0         |
| Other Livestock                            | 0.7         | 1.5         | 0.9         |
| <b>Total Agricultural Services</b>         | <b>13.1</b> | <b>13.3</b> | <b>13.4</b> |
| Soil Preparation Services                  | 0.2         | 0.1         | 0.2         |
| Crop Services                              | 2.3         | 2.4         | 2.3         |
| Plant Cultivate & Protection               | 0.4         | 0.7         | 0.4         |
| Harvest Primarily by Machine               | 0.0         | 0.0         | 0.1         |
| Preparation Services for Market            | 1.9         | 1.7         | 1.8         |
| Cotton Ginning                             | 0.0         | 0.0         | 0.0         |
| Total Farm Labor & Management              | 10.6        | 10.8        | 10.9        |
| Farm Labor Contractors                     | 9.4         | 9.8         | 9.6         |
| Farm Management Services                   | 1.2         | 1.0         | 1.3         |

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.48</b> | <b>8.41</b> | <b>8.40</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.20</b> | <b>8.07</b> | <b>8.32</b> |
| Cash Grains                                | na          | na          | 8.57        |
| Rice                                       | na          | na          | na          |
| Other Cash Grains                          | na          | na          | 8.57        |
| Field Crops Except Grains                  | 7.70        | 7.46        | 8.51        |
| Cotton                                     | na          | na          | na          |
| Other Field Crops                          | 7.70        | 7.46        | 8.51        |
| Vegetables and Melons                      | 8.24        | 7.68        | 8.16        |
| Total Fruits and Tree Nuts                 | 8.28        | 8.38        | 8.11        |
| Berries                                    | 7.42        | 7.93        | 7.83        |
| Grapes                                     | 8.40        | 8.47        | 8.55        |
| Tree Nuts                                  | na          | 8.58        | 7.84        |
| Citrus Fruits                              | 8.46        | 8.46        | 8.85        |
| Deciduous Tree Fruit                       | 8.44        | 8.17        | 7.17        |
| Other Fruits & Nuts                        | 8.66        | 8.69        | 8.44        |
| Total Horticultural Specialties            | 8.46        | 8.45        | 8.46        |
| Ornamental Floral & Nursery                | 8.55        | 8.54        | 8.59        |
| Food Crops Grown Under Cover               | 8.37        | 8.36        | 8.32        |
| General Farm Primarily Crop                | 8.34        | 8.38        | 8.09        |
| <b>Agricultural Production/Livestock</b>   | <b>8.73</b> | <b>8.60</b> | <b>8.37</b> |
| Beef Cattle Feed Lots                      | na          | na          | na          |
| Beef Cattle Except Feed Lots               | 9.51        | 9.33        | 8.65        |
| Dairy Farms                                | 8.70        | na          | 8.45        |
| Chicken Eggs                               | 8.18        | 7.92        | 8.07        |
| Turkey & Turkey Eggs                       | na          | na          | na          |
| Other Livestock                            | 8.53        | 8.54        | 8.31        |
| <b>Total Agricultural Services</b>         | <b>8.51</b> | <b>8.55</b> | <b>8.52</b> |
| Soil Preparation Services                  | 8.63        | 8.77        | 8.66        |
| Crop Services                              | 8.58        | 8.58        | 8.59        |
| Plant Cultivate & Protection               | 8.86        | 8.86        | 8.81        |
| Harvest Primarily by Machine               | na          | na          | 8.78        |
| Preparation Services for Market            | 8.30        | 8.29        | 8.19        |
| Cotton Ginning                             | na          | na          | na          |
| Total Farm Labor & Management              | 8.31        | 8.31        | 8.32        |
| Farm Labor Contractors                     | 8.03        | 8.04        | 8.13        |
| Farm Management Services                   | 8.58        | 8.58        | 8.50        |

na = not available



# SAN JOAQUIN AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan<br>2003  | Dec<br>2002  | Jan<br>2002  |
|--|--------------|--------------|--------------|
| <b>Total Agriculture</b>                   | <b>148.5</b> | <b>163.3</b> | <b>143.7</b> |
| <b>Total Agricultural Production/Crops</b> | <b>55.0</b>  | <b>57.8</b>  | <b>54.8</b>  |
| Cash Grains                                | 0.1          | 0.0          | 0.2          |
| Rice                                       | 0.0          | 0.0          | 0.0          |
| Other Cash Grains                          | 0.1          | 0.3          | 0.2          |
| Field Crops Except Grains                  | 4.7          | 5.5          | 4.9          |
| Cotton                                     | 3.4          | 3.9          | 3.3          |
| Other Field Crops                          | 1.3          | 1.6          | 1.6          |
| Vegetables and Melons                      | 3.1          | 5.4          | 3.4          |
| Total Fruits and Tree Nuts                 | 33.5         | 34.2         | 32.5         |
| Berries                                    | 0.1          | 0.0          | 0.1          |
| Grapes                                     | 20.6         | 18.1         | 20.3         |
| Tree Nuts                                  | 4.8          | 5.7          | 4.6          |
| Citrus Fruits                              | 1.2          | 2.1          | 1.3          |
| Deciduous Tree Fruit                       | 3.9          | 5.6          | 3.4          |
| Other Fruits & Nuts                        | 2.9          | 2.7          | 2.8          |
| Total Horticultural Specialties            | 4.4          | 4.8          | 4.7          |
| Ornamental Floral & Nursery                | 4.3          | 4.6          | 4.5          |
| Food Crops Grown Under Cover               | 0.1          | 0.2          | 0.2          |
| General Farm Primarily Crop                | 9.2          | 7.9          | 9.1          |
| <b>Agricultural Production/Livestock</b>   | <b>16.1</b>  | <b>15.6</b>  | <b>17.5</b>  |
| Beef Cattle Feed Lots                      | 0.4          | 0.4          | 0.6          |
| Beef Cattle Except Feed Lots               | 1.3          | 1.4          | 1.6          |
| Dairy Farms                                | 11.3         | 11.8         | 12.1         |
| Chicken Eggs                               | 0.6          | 0.0          | 0.6          |
| Turkey & Turkey Eggs                       | 0.7          | 0.7          | 0.7          |
| Other Livestock                            | 1.8          | 1.3          | 1.9          |
| <b>Total Agricultural Services</b>         | <b>77.4</b>  | <b>89.9</b>  | <b>71.4</b>  |
| Soil Preparation Services                  | 0.6          | 0.6          | 0.4          |
| Crop Services                              | 20.7         | 24.0         | 18.8         |
| Plant Cultivate & Protection               | 3.1          | 3.2          | 2.6          |
| Harvest Primarily by Machine               | 1.4          | 1.4          | 1.2          |
| Preparation Services for Market            | 15.2         | 18.1         | 14.1         |
| Cotton Ginning                             | 1.0          | 1.3          | 0.9          |
| Total Farm Labor & Management              | 56.1         | 65.3         | 52.2         |
| Farm Labor Contractors                     | 52.3         | 61.2         | 48.1         |
| Farm Management Services                   | 3.8          | 4.1          | 4.1          |

na = not available

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan<br>2003 | Dec<br>2002 | Jan<br>2002 |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.31</b> | <b>8.38</b> | <b>8.26</b> |
| <b>Total Agricultural Production/Crops</b> | <b>7.99</b> | <b>8.07</b> | <b>8.13</b> |
| Cash Grains                                | 7.32        | na          | 8.01        |
| Rice                                       | na          | na          | na          |
| Other Cash Grains                          | 7.75        | 7.23        | 8.01        |
| Field Crops Except Grains                  | 8.00        | 8.20        | 8.40        |
| Cotton                                     | 8.16        | 8.29        | 8.36        |
| Other Field Crops                          | 7.84        | 8.10        | 8.43        |
| Vegetables and Melons                      | 8.06        | 7.68        | 8.09        |
| Total Fruits and Tree Nuts                 | 8.32        | 8.30        | 7.96        |
| Berries                                    | 8.39        | na          | 7.38        |
| Grapes                                     | 7.98        | 8.06        | 8.39        |
| Tree Nuts                                  | 8.75        | 8.69        | 8.11        |
| Citrus Fruits                              | 8.29        | 8.31        | 7.93        |
| Deciduous Tree Fruit                       | 8.24        | 8.21        | 7.85        |
| Other Fruits & Nuts                        | 8.29        | 8.24        | 8.08        |
| Total Horticultural Specialties            | 8.10        | 8.05        | 8.27        |
| Ornamental Floral & Nursery                | 8.31        | 8.30        | 8.24        |
| Food Crops Grown Under Cover               | 7.89        | 7.80        | 8.30        |
| General Farm Primarily Crop                | 8.14        | 8.14        | 8.04        |
| <b>Agricultural Production/Livestock</b>   | <b>8.37</b> | <b>8.51</b> | <b>8.25</b> |
| Beef Cattle Feed Lots                      | 8.22        | 8.19        | 8.43        |
| Beef Cattle Except Feed Lots               | 8.41        | 8.42        | 8.26        |
| Dairy Farms                                | 9.07        | 9.04        | 8.85        |
| Chicken Eggs                               | 7.60        | na          | 7.56        |
| Turkey & Turkey Eggs                       | 8.24        | 8.23        | 7.86        |
| Other Livestock                            | 8.70        | 8.68        | 8.56        |
| <b>Total Agricultural Services</b>         | <b>8.55</b> | <b>8.55</b> | <b>8.39</b> |
| Soil Preparation Services                  | 8.63        | 8.63        | 8.49        |
| Crop Services                              | 8.79        | 8.80        | 8.69        |
| Plant Cultivate & Protection               | 8.69        | 8.69        | 8.52        |
| Harvest Primarily by Machine               | 8.30        | 8.26        | 8.46        |
| Preparation Services for Market            | 8.37        | 8.40        | 8.07        |
| Cotton Ginning                             | 9.81        | 9.84        | 9.70        |
| Total Farm Labor & Management              | 8.24        | 8.24        | 7.99        |
| Farm Labor Contractors                     | 7.95        | 7.96        | 7.69        |
| Farm Management Services                   | 8.52        | 8.51        | 8.29        |

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

| Industry                                   | Jan 2003    | Dec 2002    | Jan 2002    |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>21.7</b> | <b>16.7</b> | <b>18.7</b> |
| <b>Total Agricultural Production/Crops</b> | <b>14.9</b> | <b>11.7</b> | <b>13.0</b> |
| Cash Grains                                | 1.5         | 0.7         | 1.1         |
| Rice                                       | 1.2         | 0.4         | 0.9         |
| Other Cash Grains                          | 0.3         | 0.3         | 0.2         |
| Field Crops Except Grains                  | 0.4         | 0.3         | 0.4         |
| Cotton                                     | 0.0         | 0.0         | 0.0         |
| Other Field Crops                          | 0.4         | 0.3         | 0.4         |
| Vegetables and Melons                      | 0.6         | 1.3         | 0.6         |
| Total Fruits and Tree Nuts                 | 5.8         | 5.6         | 5.7         |
| Berries                                    | 0.1         | 0.0         | 0.3         |
| Grapes                                     | 0.9         | 0.8         | 0.9         |
| Tree Nuts                                  | 2.3         | 1.7         | 2.0         |
| Citrus Fruits                              | 0.0         | 0.0         | 0.0         |
| Deciduous Tree Fruit                       | 1.8         | 2.3         | 1.7         |
| Other Fruits & Nuts                        | 0.7         | 0.8         | 0.8         |
| Total Horticultural Specialties            | 3.9         | 1.6         | 3.7         |
| Ornamental Floral & Nursery                | 3.9         | 1.6         | 3.5         |
| Food Crops Grown Under Cover               | 0.0         | 0.0         | 0.2         |
| General Farm Primarily Crop                | 2.7         | 2.2         | 1.5         |
| <b>Agricultural Production/Livestock</b>   | <b>1.4</b>  | <b>1.6</b>  | <b>1.4</b>  |
| Beef Cattle Feed Lots                      | 0.0         | 0.0         | 0.0         |
| Beef Cattle Except Feed Lots               | 0.5         | 0.5         | 0.5         |
| Dairy Farms                                | 0.6         | 0.6         | 0.5         |
| Chicken Eggs                               | 0.0         | 0.0         | 0.0         |
| Turkey & Turkey Eggs                       | 0.0         | 0.0         | 0.0         |
| Other Livestock                            | 0.3         | 0.5         | 0.4         |
| <b>Total Agricultural Services</b>         | <b>5.4</b>  | <b>3.4</b>  | <b>4.3</b>  |
| Soil Preparation Services                  | 0.1         | 0.2         | 0.1         |
| Crop Services                              | 2.2         | 1.1         | 1.7         |
| Plant Cultivate & Protection               | 0.7         | 0.4         | 0.3         |
| Harvest Primarily by Machine               | 0.0         | 0.0         | 0.2         |
| Preparation Services for Market            | 1.5         | 0.7         | 1.2         |
| Cotton Ginning                             | 0.0         | 0.0         | 0.0         |
| Total Farm Labor & Management              | 3.1         | 2.1         | 2.5         |
| Farm Labor Contractors                     | 2.8         | 1.8         | 2.4         |
| Farm Management Services                   | 0.3         | 0.3         | 0.1         |

na = not available

## Average Hourly Earnings (In dollars per hour)

| Industry                                   | Jan 2003    | Dec 2002    | Jan 2002    |
|--|-------------|-------------|-------------|
| <b>Total Agriculture</b>                   | <b>8.50</b> | <b>8.50</b> | <b>8.36</b> |
| <b>Total Agricultural Production/Crops</b> | <b>8.41</b> | <b>8.40</b> | <b>8.22</b> |
| Cash Grains                                | 8.50        | 8.45        | 8.42        |
| Rice                                       | 8.72        | 8.58        | 8.63        |
| Other Cash Grains                          | 8.28        | 8.31        | 8.20        |
| Field Crops Except Grains                  | 8.30        | 8.19        | 8.06        |
| Cotton                                     | na          | na          | na          |
| Other Field Crops                          | 8.30        | 8.19        | 8.06        |
| Vegetables and Melons                      | 8.56        | 8.48        | 8.28        |
| Total Fruits and Tree Nuts                 | 8.22        | 8.22        | 8.16        |
| Berries                                    | 7.88        | na          | 8.10        |
| Grapes                                     | 8.42        | 8.44        | 7.99        |
| Tree Nuts                                  | 8.34        | 8.32        | 8.15        |
| Citrus Fruits                              | na          | na          | na          |
| Deciduous Tree Fruit                       | 8.21        | 8.11        | 8.20        |
| Other Fruits & Nuts                        | 8.24        | 8.00        | 8.38        |
| Total Horticultural Specialties            | 8.47        | 8.63        | 8.27        |
| Ornamental Floral & Nursery                | 8.47        | 8.63        | 8.39        |
| Food Crops Grown Under Cover               | na          | na          | 8.14        |
| General Farm Primarily Crop                | 8.42        | 8.41        | 8.11        |
| <b>Agricultural Production/Livestock</b>   | <b>8.51</b> | <b>8.51</b> | <b>8.32</b> |
| Beef Cattle Feed Lots                      | na          | na          | na          |
| Beef Cattle Except Feed Lots               | 8.41        | 8.39        | 8.14        |
| Dairy Farms                                | 8.73        | 8.71        | 8.44        |
| Chicken Eggs                               | na          | na          | na          |
| Turkey & Turkey Eggs                       | na          | na          | na          |
| Other Livestock                            | 8.39        | 8.42        | 8.38        |
| <b>Total Agricultural Services</b>         | <b>8.57</b> | <b>8.61</b> | <b>8.55</b> |
| Soil Preparation Services                  | 8.73        | 8.68        | 8.69        |
| Crop Services                              | 8.53        | 8.59        | 8.49        |
| Plant Cultivate & Protection               | 8.68        | 8.78        | 8.51        |
| Harvest Primarily by Machine               | na          | na          | 8.74        |
| Preparation Services for Market            | 8.38        | 8.39        | 8.23        |
| Cotton Ginning                             | na          | na          | na          |
| Total Farm Labor & Management              | 8.46        | 8.57        | 8.48        |
| Farm Labor Contractors                     | 8.33        | 8.49        | 8.40        |
| Farm Management Services                   | 8.58        | 8.64        | 8.55        |

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the State's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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